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(54) **Circuit for power supply**

(57) A circuit (1) for power supply having a controllable alternating-current voltage is described enabling precise regulation and saving of energy for consumers. Therefore, the amplitude of the input alternating-current voltage (3) is modulated with high frequency compared to the frequency of the input alternating-current voltage

(3) thereby cutting off parts of the input alternating-current voltage (3) by means of a chopper-control (2). Further, a respective circuit (1) for power supply having controllable direct-current voltage and the use of the before mentioned circuits (1) for preferred applications are disclosed.

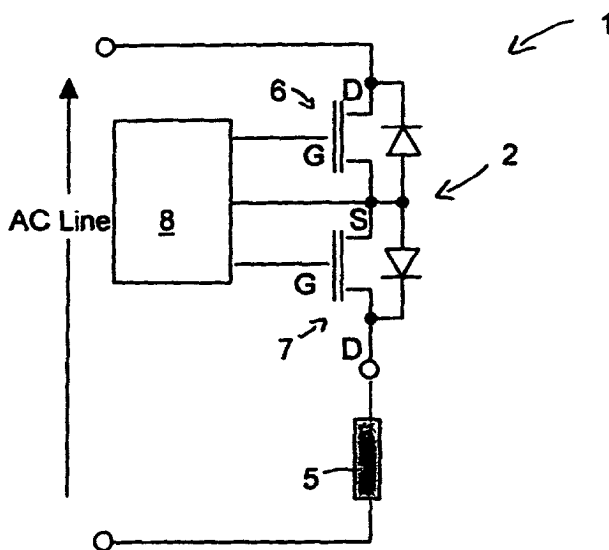


Fig. 1



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X	US 5 691 628 A (MARTIN JOSEPH A) 25 November 1997 (1997-11-25) * abstract * * column 2, paragraph 33 - paragraph 51 * * column 5, line 34 - line 37 * * figures 3, 4 *	1	
X	SULISTYONO W ET AL: "A series resonant AC-to-DC rectifier with high-frequency isolation" APPLIED POWER ELECTRONICS CONFERENCE AND EXPOSITION, 1994. APEC '94. CONFERENCE PROCEEDINGS 1994., NINTH ANNUAL ORLANDO, FL, USA 13-17 FEB. 1994, NEW YORK, NY, USA, IEEE, 13 February 1994 (1994-02-13), pages 397-403, XP010118543 ISBN: 0-7803-1456-5 * paragraph 'INTRODUCTION!' * * figures 1, 3, 7 *	1, 8, 11	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H02M
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 12 August 2004	Examiner Marannino, E.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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